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**COURSE: HYGIENE**

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**ACADEMIC YEAR: 2019-2020**

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**TYPE OF EDUCATIONAL ACTIVITY: Free Choice**

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**TEACHER: Antonio Romaniello**

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e-mail: anto.romaniello@tiscali.it

website:

phone: 3687837501

mobile (optional):

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Language: **ITALIAN**

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ECTS: 6 Frontal lessons	n. of hours: 48 frontal lessons.	Campus: <b>Potenza</b> Dept./School: <b>Science Department</b> Program: Biotechnology for Medical, Pharmaceutical and Veterinary Diagnostics ( LM- 9 ).	Semester:2° ( From 02.03.2020 to 15.06.2020)
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**EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES**

**Knowledge and ability to understand:** the student has to demonstrate to know and to understand the base knowledge of generally and environmental hygiene, generally Epidemiology of infective and not infective diseases.

**Ability to apply knowledge and understanding:** The course is going to give knowledge about the prevention of main chronic and degenerative disease and about the prophylaxis of infective diseases. The main abilities that the course will give are about the acquisition of the ability of analysis and prevention strategy of the main infective diseases with particular attention to the immunitary prophylaxis by the vaccines. Course's object is to give base knowledge about obligate and facultative vaccination, primary, secondary and tertiary prevention of chronic-degenerative diseases and about the way to apply such practices. Lessons will give base knowledge about environmental hygiene and health legislation and the necessary skills to the application of the knowledge acquired.

**Autonomy of judgment:** student has to be able to evaluate independently preventative actions to apply on infective and not-infective diseases and main methods about projects' execution.

**Ability to communicate:** the student has to have the ability to explain, in simple ways, to not-experienced people the main themes of health education.

**Learning ability:** Student has to constantly update, by the consultation of books and own publications about Epidemiology and Preventative medicine with the object to be able to follow deepening's course and specialized seminars and masters on hygiene.

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**PRE-REQUIREMENTS** it's necessary that the student has acquired and assimilated the knowledge gave from general biology, chemistry and microbiology's course's

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**SYLLABUS**

**Epidemiology-block 1 (6 hours):** General epidemiology, epidemiology of infective diseases, epidemiology of not-infective diseases.

**Prevention-block 2 (6 hours):** prophylaxis of infective diseases. Prevention of not infective diseases. Primary, secondary and tertiary prevention. Chronicdegenerative pathologies.

**Environmental hygiene-block 3 (6 hours):** Hygiene of physical environment: drinking water, reflux water, solid waste, atmospheric air the microclimate.

**Food hygiene-block 4 (6 hours):** Food hygiene, mycotoxins, alimentary toxic infections and infections from food. Main techniques of food conservation.

**Nutrition hygiene-block 5 (6 hours):** . Hygiene of nutrition, food and nutrients, the LARN, food pyramid, environmental pyramid, malnutrition, valuation of nutritional status, a correct nourishment in the various stages of life.

**Epidemiology and prophylaxis of main groups of infective diseases-block 6 (6 hours):** infections transmitted by air, diseases by fecal-oral route transmission, diseases transmitted by vectors, diseases by serum bloodborne transmission and by sexually transmission.

**Epidemiology and prevention of chronic-degenerative diseases-block 7 (6 hours):** cardiovascular diseases. malignant tumour and diseases given by not correct alimentation. obesity.

**Vaccination-block 8 (6 hours):** active and passive immuneprophylaxis. Compulsory and optional vaccinations. Vaccinations schedule, contraindications to vaccinations, reactions to vaccinations.

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**TEACHING METHODS :** the course provides 48 hours of lessons, organised with lessons in the classroom about all the programme.

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#### EVALUATION METHODS

the exam's object is to test the achievement of course's objectives. It is an oral examination where it is valued the knowledge about the course's topics, in particular the student will expose a topic of environmental hygiene, one of epidemiology and prophylaxis of infective diseases and one about the prevention of chronic-degenerative diseases. The student will pass the exam if he adequately explains two of three arguments. It is also important for the final valuation that the student can apply the concepts to real professional that he will face in his future professional engagement.

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TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL S. Barbuti, G. M. Fara, G. Giammanco :Igiene e Medicina Preventiva.Vol. I ,Vol. II Monduzzi Editore. Bologna.

\_ S. BARBUTI, G. M. FARA, G. GIAMMANCO , A. CARDUCCI, M.A. CONIGLIO, D. D'ALESSANDRO,  
M.T. MONTAGNA, M..L. TANZI, C.M. ZOTTI :IGIENE. MONDUZZI EDITORE. BOLOGNA.  
-C MELONI- G. PELISSERO: IGIENE . CASA EDITRICE AMBROSIANA MILANO.

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#### INTERACTION WITH STUDENTS

at the beginning of the course, after the description of the characteristics of the discipline and of the course's objectives, the teaching materials will be available to students. The office hours are after the end of lessons, after those hours the teacher will be available by his e-mail.

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#### EXAMINATION SESSIONS (FORECAST)<sup>1</sup>

05/02/2020, 27/05/2020, 17/06/2020, 08/07/2020, 23/07/2020, 16/09/2020, 16/12/2020.

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SEMINARS BY EXTERNAL EXPERTS YES  X

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#### FURTHER INFORMATION

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<sup>1</sup>Subject to possible changes: check the web site of the Teacher or the Department/School for updates.